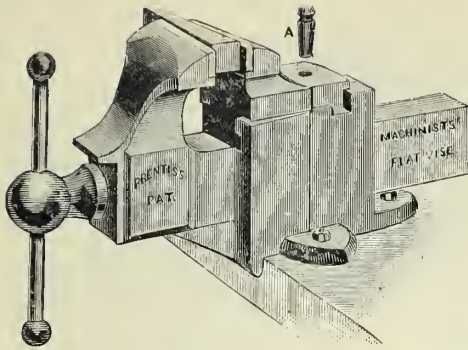


VICES.

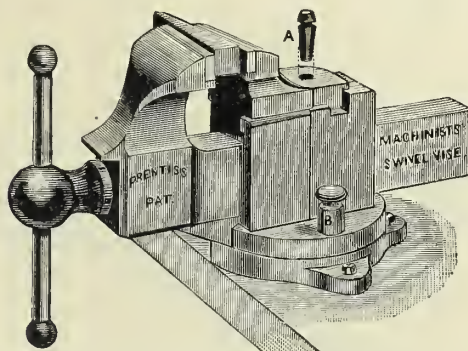
FIG. 1473.



PRENTISS' PATENT SELF-ADJUSTING JAW, MACHINISTS' STATIONARY BOTTOM VISE.

No.			Price.
1.	Stationary bottom. 2½ inch jaws.	Opens 3½ inches.	
	Weight, 13½ pounds,	- - -	\$5 50
2.	Stationary bottom. 3½ inch jaws.	Opens 4¾ inches	
	Weight, 28 pounds,	- - -	7 00
2½.	Stationary bottom. 4 inch jaws.	Opens 5¼ inches.	
	Weight, 41 pounds,	- - -	9 00
3.	Stationary bottom. 4½ inch jaws.	Opens 6 inches.	
	Weight, 54 pounds,	- - -	10 50
4.	Stationary bottom. 5¼ inch jaws.	Opens 8 inches.	
	Weight, 96 pounds,	- - -	17 00
5.	Stationary bottom. 6 inch jaws.	Opens 9 inches.	
	Weight, 146 pounds,	- - -	24 00
6.	Stationary bottom. 7 inch jaws.	Opens 11 inches.	
	Weight, 184 pounds,	- - -	30 00

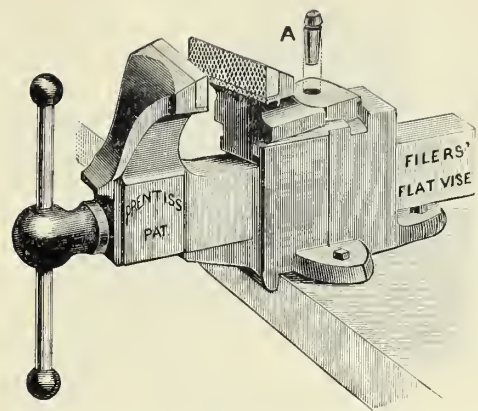
FIG. 1475.



PRENTISS' PATENT SELF-ADJUSTING JAW MACHINISTS' SWIVEL BOTTOM VISE.

No.			Price.
18.	Patent swivel bottom. 2½ inch jaws.	Opens 3½ inches.	
	Weight, 17 pounds,	- - -	\$6 75
19.	Patent swivel bottom. 3½ inch jaws.	Opens 4¾ inches.	
	Weight, 32 pounds,	- - -	8 50
19½.	Patent swivel bottom. 4 inch jaws.	Opens 5¼ inches.	
	Weight, 46 pounds,	- - -	10 50
20.	Patent swivel bottom. 4½ inch jaws.	Opens 6 inches.	
	Weight, 65 pounds,	- - -	12 50
21.	Patent swivel bottom. 5¼ inch jaws.	Opens 8 inches.	
	Weight, 109 pounds,	- - -	19 00
22.	Patent swivel bottom. 6 inch jaws.	Opens 9 inches.	
	Weight, 168 pounds,	- - -	27 00
23.	Patent swivel bottom. 7 inch jaws.	Opens 11 inches.	
	Weight, 207 pounds,	- - -	35 00

FIG. 1474.



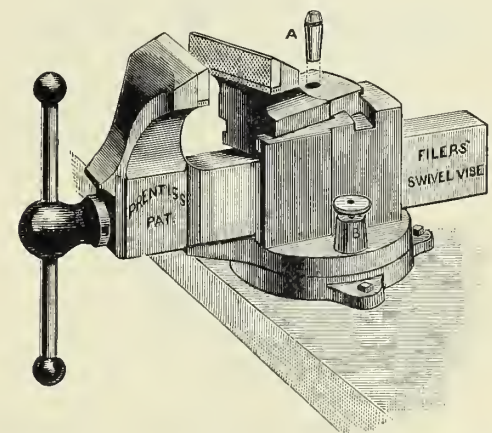
STATIONARY BOTTOM, FILERS' SELF-ADJUSTING JAW VISE

We call special attention to new model filers' or finishers' vises having increased the weight and size, making them the strongest vises of this style ever offered.

Rough-cut or smooth jaws, as ordered.

No.			Price.
42.	Stationary bottom. 4¼ inch jaws.	Opens 5¼ inches.	
	Weight, 42 pounds,	- - -	\$8 00

FIG. 1476.



PATENT SWIVEL BOTTOM, FILERS' SELF-ADJUSTING JAW VISE.

These implements are especially designed to satisfy demand for a vise of this class, embracing the advantages of our patent self-adjusting jaw and patent swivel bottom. The peculiarities of its construction are lean, high jaws, long arm and large throat.

No.			Price.
47.	Patent swivel Bottom 4¼ inch jaw.	Opens 5¼ inches.	
	Weight, 47 pounds,	- - -	\$10 00

FIG. 1477.

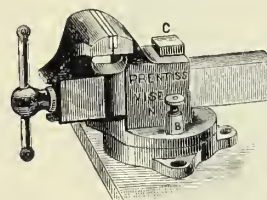
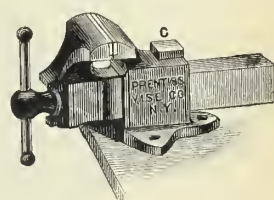


FIG. 1478.

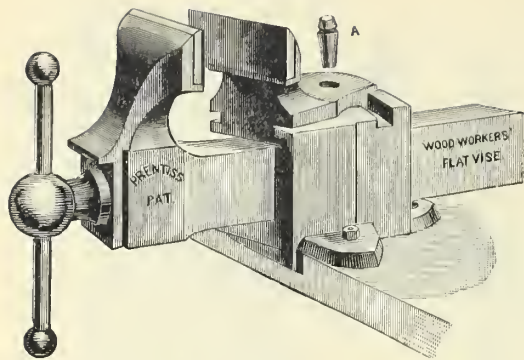


NEW SOLID JAW JEWELERS' VISES.

These vises have solid back jaws, instead of "self-adjusting jaws," as shown above.

No.			Price.
34.	Stationary bottom. 2 inch jaws.	Opens 2 inches,	\$3 00
39.	Swivel bottom. 2 inch jaws.	Opens 2 inches,	4 00

FIG. 1479.

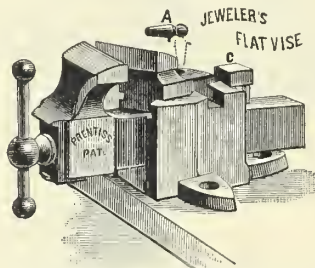


STATIONARY BOTTOM, COACH-MAKERS' SELF-ADJUSTING JAW VISE.

Coach-Makers' Vises which are constructed upon the same principles as the Iron-Workers' before described, are acknowledged to possess many advantages over any other yet offered for use of car and carriage builders, furniture manufacturers, pattern makers and all wood workers.

No.		Price.
12.	Stationary bottom. 3½ inch jaws. Opens 7 inches. Weight, 30 pounds,	\$8 00
10.	Stationary bottom. 4½ inch jaws. Opens 9½ inches. Weight, 59 pounds,	11 00

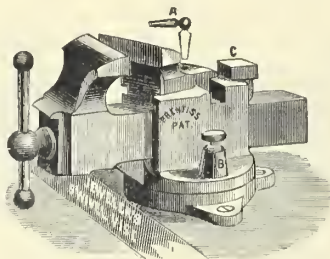
FIG. 1481.



PRENTISS' PATENT SELF-ADJUSTING JAW VISES FOR JEWELERS.

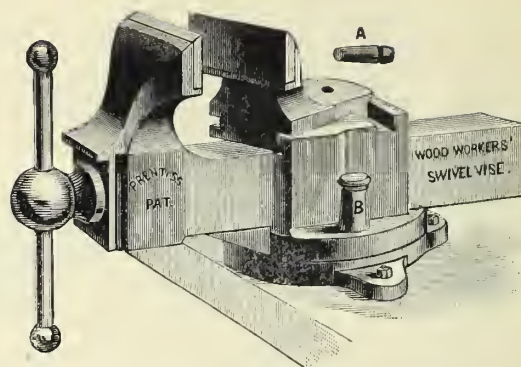
No.		Price.
30.	Stationary bottom. 1¾ inch jaws. Opens 1¾ inches,	\$3 50
31.	Same as above, nickel plated,	5 75
32.	Stationary bottom. 2 inch jaws. Opens 2 inches,	4 00
33.	Same as above, nickel plated,	6 50

FIG. 1483.



No.		Price.
35.	Swivel bottom. 1¾ inch jaws. Opens 1¾ inches,	\$4 50
36.	Same as above, nickel plated,	6 75
37.	Swivel bottom. 2 inch jaws. Opens 2 inches,	5 00
38.	Same as above, nickel plated,	7 50

FIG. 1480.

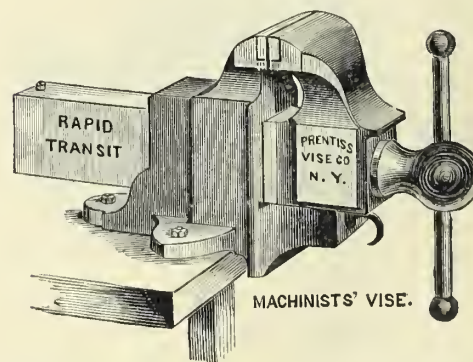


PATENT SWIVEL BOTTOM, COACH-MAKERS' SELF-ADJUSTING JAW VISE.

Self-Adjusting Jaw, combined with the patent swivel bottom, makes the best vise ever offered artisans in wood, the large surfaces of the jaws (which are finished perfectly smooth) protecting the work from injury, while the self-adjusting jaw easily and firmly holds articles of any shape.

No.		Price.
27.	Patent swivel bottom. 3½ inch jaws. Opens 7 inches. Weight, 34 pounds,	\$9 50
26.	Patent swivel bottom. 4½ inch jaws. Opens 9½ inches. Weight, 67 pounds,	13 00

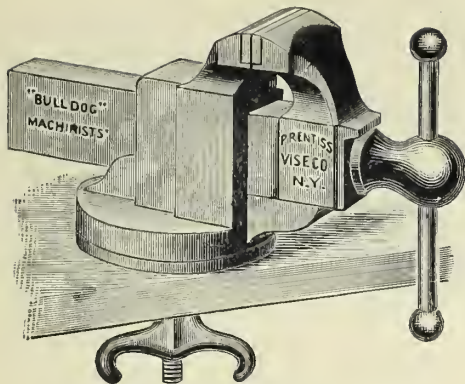
FIG. 1482.



PRENTISS' PATENT MACHINISTS' NEW RAPID TRANSIT VISE.

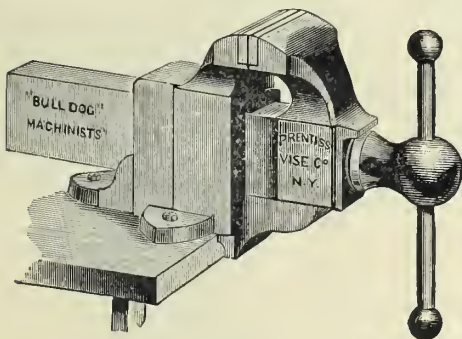
No.		Price.
70.	Stationary bottom. 3 inch jaws. Opens 3½ inches. Weight, 22 pounds,	\$6 50
71.	Stationary bottom. 3¾ inch jaws. Opens 4½ inches. Weight, 33 pounds,	8 00
72.	Stationary bottom. 4¼ inch jaws. Opens 5½ inches. Weight, 54 pounds,	11 00
73.	Stationary bottom. 4¾ inch jaws. Opens 6½ inches. Weight, 65 pounds,	13 50
74.	Stationary bottom. 5½ inch jaws. Opens 8 inches. Weight, 98 pounds,	19 00
75.	Stationary bottom. 6½ inch jaws. Opens 9½ inches. Weight, 150 pounds,	28 00

FIG. 1484.



PRENTISS' NEW "BULL DOG" VISES.
Best plain vises made.

FIG. 1486.



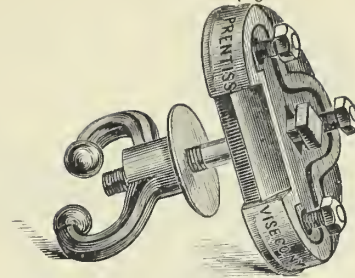
PRENTISS' "BULL DOG" STATIONARY BOTTOM, MACHINISTS' SOLID JAW, PARALLEL VISE.

No.		Price.
50.	Stationary bottom. 3¼ inch jaws. Opens 4 inches. Weight, 22 pounds,	\$6 00
51.	Stationary bottom. 3½ inch jaws. Opens 5 inches. Weight, 28 pounds,	7 00
52.	Stationary bottom. 4¼ inch jaws. Opens 5½ inches. Weight, 42 pounds,	8 50
53.	Stationary bottom. 4¾ inch jaws. Opens 6¼ inches. Weight, 52 pounds,	10 00
54.	Stationary bottom. 5 inch jaws. Opens 7 inches. Weight, 72 pounds,	13 00
55.	Stationary bottom. 5½ inch jaws. Opens 8½ inches. Weight, 100 pounds,	18 50
56.	Stationary bottom. 6 inch jaws. Opens 9½ inches. Weight, 135 pounds,	25 00

SWIVEL BOTTOM, MACHINISTS' SOLID JAW PARALLEL VISE.

No.		Price.
90.	Swivel bottom 3¼ inch jaws. Opens 4 inches. Weight, 28 pounds,	\$7 50
91.	Swivel bottom. 3½ inch jaws. Opens 5 inches. Weight, 36 pounds,	8 75
92.	Swivel bottom. 4¼ inch jaws. Opens 5½ inches. Weight, 52 pounds,	10 50
93.	Swivel bottom. 4¾ inch jaws. Opens 6¼ inches. Weight, 64 pounds,	12 50
94.	Swivel bottom. 5 inch jaws. Opens 7 inches. Weight, 85 pounds,	16 00
95.	Swivel bottom. 5½ inch jaws. Opens 8½ inches. Weight, 115 pounds,	22 00
96.	Swivel bottom. 6 inch jaws. Opens 9½ inches. Weight, 155 pounds,	30 00

FIG. 1485.

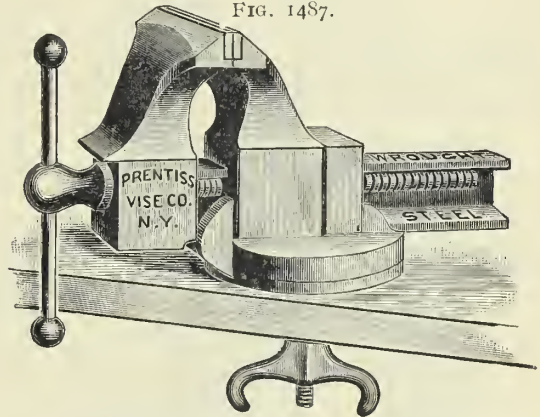


NEW SWIVEL BOTTOM ATTACHMENT.

By use of which all sizes of our Stationary Bottom rapid transit vises may be changed to swivel bottom vises. Prices including bolts and nuts.

For Vise.	Each.	Per Vise.	Each.
No. 70, - - -	\$1.00	No. 74, - - -	\$2.50
No. 71, - - -	1.50	No. 75, - - -	3.25
Nos. 72 and 73, - - -	1.75	No. 76, - - -	1.75

FIG. 1487.

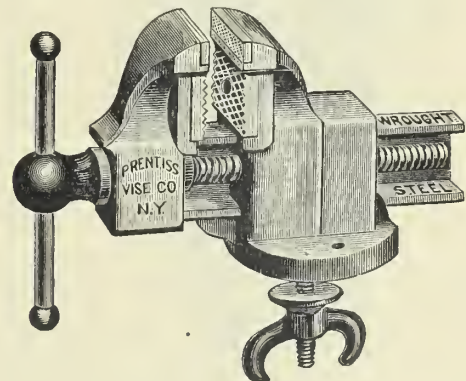


PRENTISS' NEW STEEL (CHANNEL) BAR FILERS' VISES.—SWIVEL BOTTOM.

Our wrought iron steel (channel) sliding bar renders it possible to construct this vise with the highest jaws and largest throat opening of any vise ever before offered, thus holding the largest and most complicated work, being particularly adapted to bicycle manufacturing and repair shops.

Rough cut or smooth jaws, as ordered.
No. 48. Swivel bottom. 4 inch jaws. Opens 6 inches.
Weight, 45 pounds, - - - \$8.00

FIG. 1488.

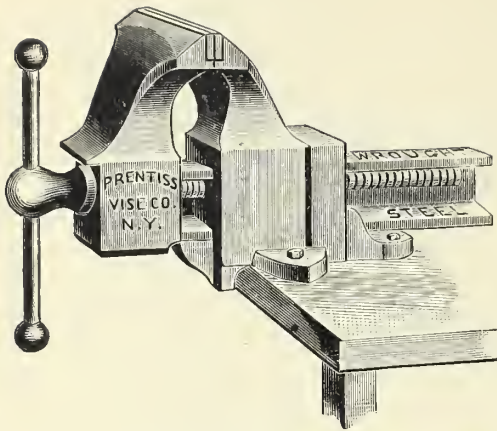


PRENTISS' IMPROVED COMBINATION PIPE VISES.

Pipe may be held at various angles and a slight turn of lever releases it. Capacity greater than other vises.

No.		Each.
81.	Jaws 3½ in., holds ¼ to 2½ in. pipe. Weight, 35 lbs.,	\$16 00
82.	Jaws 4¼ in., holds ½ to 4 in. pipe. Weight, 55 lbs.,	20.00
83.	Jaws 5 in., holds ¾ to 6 in. pipe. Weight, 100 lbs.,	30.00

FIG. 1489.

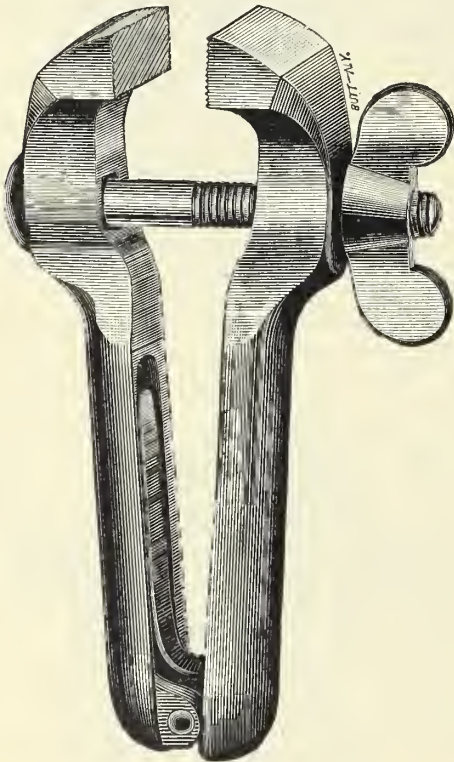


PRENTISS' NEW STEEL (CHANNEL) BAR FILERS' VISES.—STATIONARY BOTTOM.

The Prentiss is absolutely as inflexible and rigid as though made with cast iron slide, thus insuring the user a parallel vise that will not spring nor break. The nut is fastened in the center of vise body, giving a maximum grip with minimum friction and strain.

No. 43. Stationary bottom, 4 inch jaws. Opens 6 inches. Weight, 37 pounds. \$7.00

FIG. 1491.

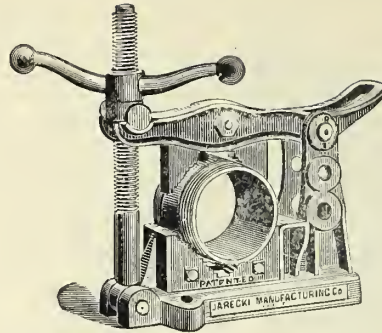


HAND VISE, No. 3.

This vise is made of solid steel castings, well tempered, with a heavy spring inside to open the jaws, which are closed with a bolt and nut, as seen in the cut. It has a blue finish with polished jaws. The jaws are 1½ inches wide, and open 1½ inches. Length of vise, 5 inches. Weight one pound.

Price, per dozen, - - \$9 00

FIG. 1490.

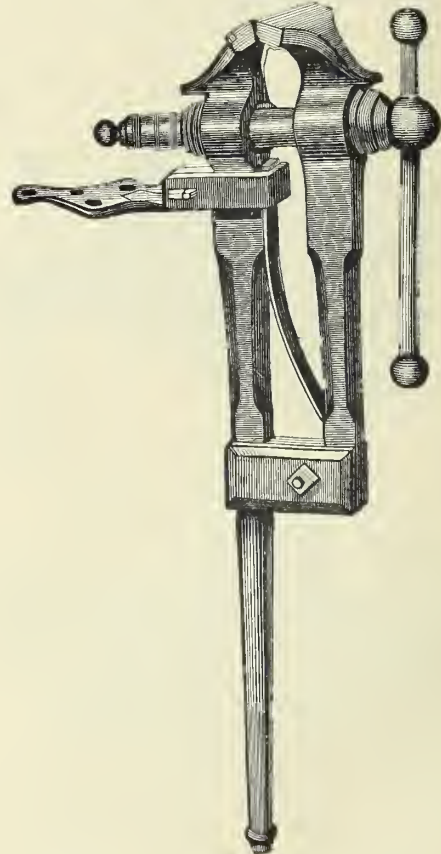


PATENT PIPE VISE.

It will be seen by referring to the cut of this vise, that the beams which holds the upper jaw is hinged. By this improvement the pipe can be placed in the vise at any point. The side opening has other advantages, that the vise may be used for holding pipes while fittings are screwed on one or both ends, or for taking apart old pipe work.

No. Takes	1 A	2 A	3 A	4 A
Price,	½ to 2 \$12.00	½ to 4 16.00	1½ to 6 24.00	6 to 12 60.00

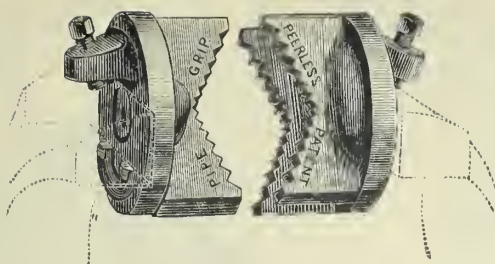
FIG. 1492.



WROUGHT IRON SOLID BOX VISES.					
Width of Jaw.	Weight about.	Price.	Width of Jaw.	Weight about.	Price.
3¾ inches.	35 pounds.	\$10 00	6 inches.	110 "	\$22 00
4 "	40 "	10 50	6 "	115 "	25 00
4¼ "	45 "	11 00	6½ "	120 "	26 00
4½ "	50 "	11 50	6½ "	125 "	27 50
4¾ "	55 "	12 00	6½ "	130 "	29 00
5 "	60 "	13 00	7 "	140 "	33 00
5¼ "	65 "	14 00	7 "	150 "	36 00
5½ "	70 "	15 00	7¼ "	160 "	41 50
5¾ "	75 "	16 00	7½ "	170 "	44 50
6 "	80 "	17 50	7½ "	180 "	47 00
6¼ "	85 "	18 50	7¾ "	190 "	53 00
6½ "	90 "	20 00	8 "	200 "	56 00
6¾ "	95 "	21 00			

In ordering solid box vises, give width of jaw and approximate weight.

FIG. 1493.

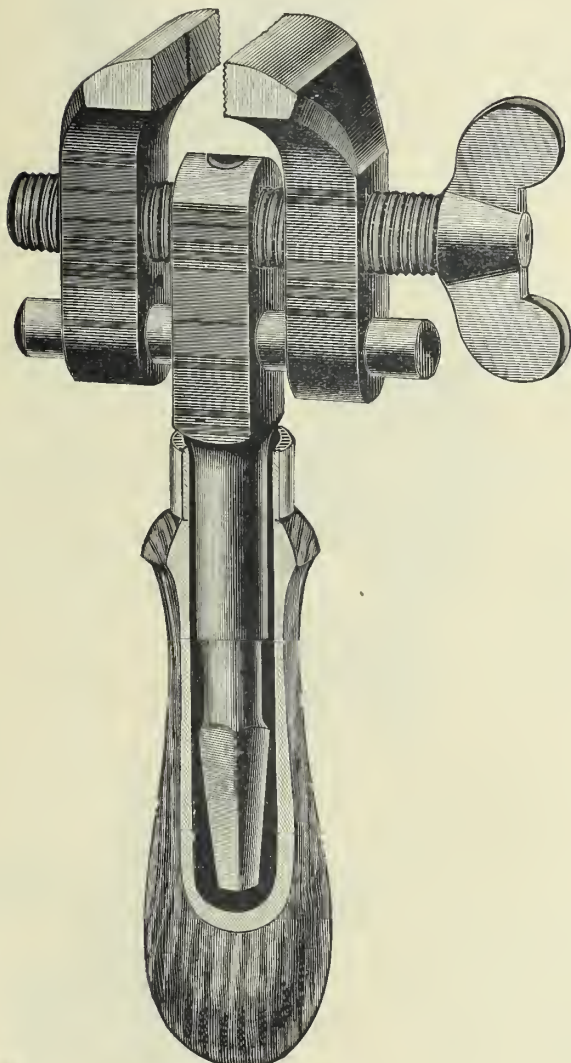


NEW PEERLESS PATENT PIPE GRIP.

New Improved (Swivel Jaw) Pipe Grip, "Peerless." Made of steel.

No. 1.	Fits any 3 to 4½ inch vise, will hold ¼ to 2½ inch pipe,	\$2.50
No. 2.	Fits any 4¾ to 5½ inch vise, will hold ¼ to 5 inch pipe,	2.75
No. 3.	Fits any 6 to 8½ inch vise, will hold ¼ to 6 inch pipe,	3.00

FIG. 1494.



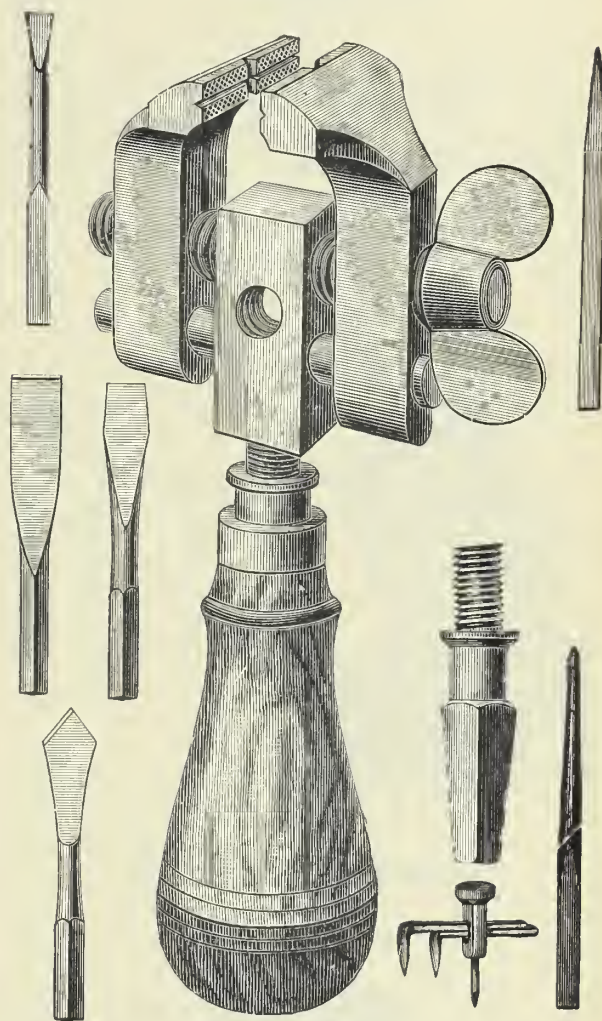
HAND VISE.

This is a forged steel vise, with a cocobola handle. It is blue finish with polished jaws. As seen in the cut the handle may be taken off and the shank placed in a bit brace. The jaws are creased to hold a twist drill. It may be used as a vise, wrench or drill chuck. It is a very substantial tool.

Width of jaws, 1½ inches; diameter of screw, ½ inch; length over all, 6¾ inches; jaws open, 1¼ inches; width of thumb nut, 1¾ inches; weight, 17 ounces.

Price, - - - - - per dozen, \$18 00

FIG. 1495.



ALFORD HAND VISE.

The jaws are of forged and tempered steel, the screw and cross-bar are also made of steel, the handle is made of rosewood with lignumvitæ cap. It is hollow, and the bit shank and tools seen in the cut are placed inside. The blades bent at right angle are used for cutting washers.

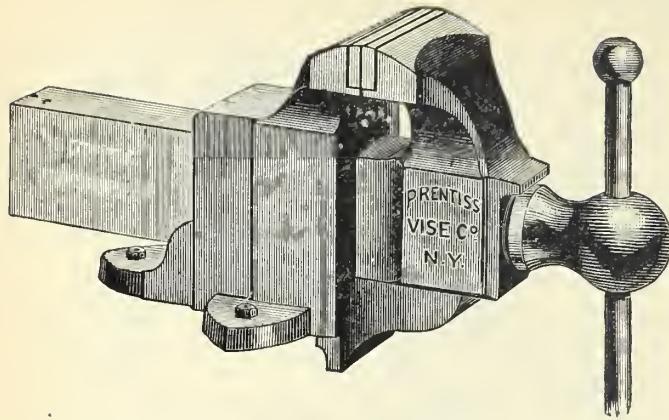
The vise jaws are 1¼ inches wide and open 1½ inches. They will center and hold tools firmly of any shape. The vise is one-third larger than the cut, while the tools are full size. The handle can be unscrewed from the vise and the bit shank put in its place, to be used with a bit brace for any kind of boring, drilling or cutting washers. The handle can also be screwed into the vise at right angles with its usual position, which is desirable for many kinds of work.

Price, with all the tools, - - - per dozen, \$21 00

FIG. 1496.

VISES—Continued.

FIG. 1497.

**PRENTISS' HEAVY CHIPPING VISE.**

This is the largest and heaviest vise in the market, and possesses all the requisites to meet the heavy demands made upon a vise of this class in railroad and machine shops, foundries, glass works, mills and large manufactories.

No. 58. 8½ inch jaws. Opens 12 inches, Weight, 275 pounds, Price, \$50 00
Swivel bottom attachment for this vise, \$5 00

FIG. 1498.

MALLEABLE IRON HINGED PIPE VISE.

No.	Takes Pipe.	Price.
10	- ⅛ to 2½ inches	\$10 00
12	- ½ to 4½ inches	20.00

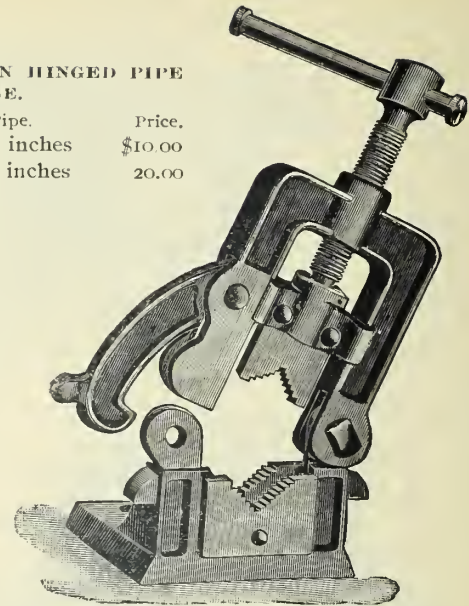


FIG. 1499.

MALLEABLE IRON HINGED PIPE VISE.

No.	Takes Pipe.	Price.
3	⅛ to 2 inches,	\$10.00
5	⅛ to 3 inches	14.00
6	¼ to 4 inches	20.00
7	1 to 6 inches	36.00

We make angle plates for Nos. 5 and 6.

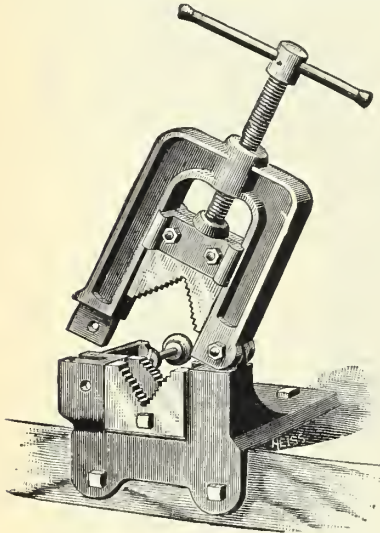


FIG. 1500.

MALLEABLE IRON HINGED PIPE VISE.

HEAVY PATTERN.
No. Takes Pipe. Price.
1, ⅛ to 2½ in., \$10.00
2, ⅛ to 3½ in., 14.50

LIGHT PATTERN.
1 E., ⅛ to 2 in., 8.00
2 E., ⅛ to 3 in., 12.00

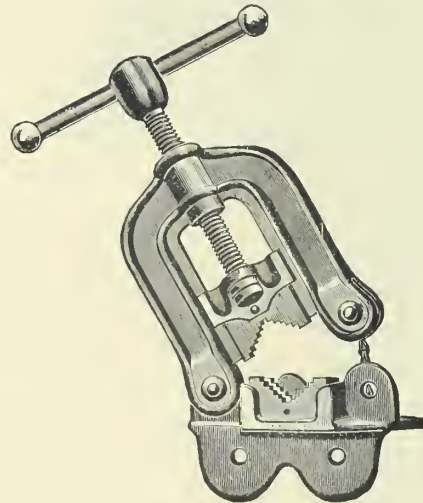
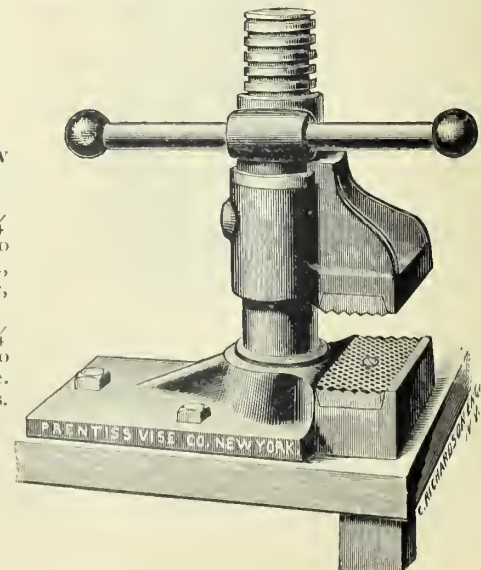


FIG. 1501.

PRENTISS' NEW OPENSIDE PIPE VISES.

No. 86, jaws 3¼ inches, holds ⅛ to 3 inch pipe. Weight, 18 pounds. Price, \$10.00.

No. 88, jaws 4¼ inches, holds ⅛ to 4½ inch pipe. Weight, 40 pounds. Price, \$16.00.

**MALLEABLE IRON HINGED PIPE VISE.**

No.	Takes Pipe.	Price.
0,	⅛ to 2 inches,	\$8.00